TLOE 7401 A0

DATE 05/09/95

SUBTETAL 9010 LB 2.00

TOTAL 4010 LB 3 CF

WOPLD RESOURCES CO.

TIPE 8:41 AM BATE 05/08/95 SUBTOMAL 24812 LI /2.15 700 TOTAL 24812 LI A9 DM 8:41 M (C./OE. 75

FROM:	JACKIE TRAHER
RE:	COMPLETION OF LDR NOTICE AND/OR MSDS
THE L SHIPMENT	DR NOTICE AND/OR MSDS RECEIVED WITH YOUR COMPANY'S LAST TO WORLD RESOURCES COMPANY WAS INCOMPLETE FOR THE B REASON(S):
, 0220	Date was missing
<u></u>	Manifest number was missing
	Signature was missing Telephone and/or address was missing
	HE FUTURE, PLEASE CORRECT THIS DISCREPANCY. THANK YOU ASSISTANCE.

WORLD RESOURCES COMPANY CUSTOMER

TO:

WORLD RESOURCES COMPANY

8113 WEST SHERMAN STREET / PHOENIX, ARIZONA 85043 / (602) 233-9166

MAY 1 0 1995

Mr. Gerald A. Thompson Alaskan Copper Works 628 South Hanford Street Seattle, Washington 98134

Dear Mr. Thompson:

Enclosed is the appropriate copy of the Uniform Hazardous Waste Manifest and the weigh ticket resulting from the transfer of the recyclable materials by your company to World Resources Company (WRC) and the transportation of these recyclable materials to the WRC Recycling Facility in Arizona for the purpose of recovering the metal values therein.

Sincerely,

WORLD RESOURCES COMPANY

Manifest Coordinator

Enclosures

Recycled Paper

W/	FORM HAZARDOUS ASTE MANIFEST	1. Generator's US EPA ID N W A D 9 8 0 7 3	Doo	nifest ument No.	2. P	d in mat		n the shaded area d by Federal law.
	or's Name and Mailing Address ALASKAN COPP		0, 5, 4, 0,9 ,	5.0.0.3		ate Manifest D		
	3200 Sixth Aven		e WA 9813	4	B. St	ate Generator	s ID	
	rter ≰Company Name		US EPA ID Numb	er d		ate Transporte	2, 30.11.	
N 4 7	rter 1 Company Name		US EPA ID Numb		E. St	ansporter's Ph ate Transporte	r's ID (015088
	ted Facility Name and Site Address	ess 10. I	3.8.0.5.8.1 US EPA ID Numb		CONTRACTOR CONTRACTOR	ansporter's Ph tate Facility's II		o-233-987
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	al Descriptions for Materials List	ed Above			К. На	ndling Codes f	or Waste	es Listed Above
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PRINTED ON RECYCLED PAPER
USING SOYBEAN INK

ORIGINAL-RETURN TO GENERATOR

politica da la politica de la colonia de

Material Safety Data Sheet

F006 Recyclable Material (Filter Cake)

Recycler's Facility Name and Site Address:

World Resources Company

8113 West Sherman Street Phoenix, Arizona 85043

Tele: 1-602-233-9166 Fax: 602-936-9164

Issued: 8/7/90 Revised: 9/15/93 - DLS

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident (all calls are recorded)

For Emergencies During Shipping in the US or Canada, Day or Night, Call: CHEMTREC 800-424-9300 (Use Chemtrec Company Code "WORR") For calls from other countries call: 202-483-7616 Collect

Section 1

PRODUCT - MATERIAL IDENTIFICATION

Generic Name: Electroplating/Metal-Finishing Wastewater Treatment Sludge DOT Shipping Name: RQ, Hazardous waste, solid, n.o.s., (F006) Environmental Protection Agency (EPA) Waste Classification: F006

Chemical Family: Metallic (Hydroxide) Precipitates Synonym: Non-ferrous Metal Hydroxide Filter Cake DOT Hazard Class: 9 Packaging Group III **DOT Identification Number: NA 3077**

DOT Emergency Response Guide 31 Applies HAZADDOUG MCDEDIEN

Section 2			MAZAND	OUS INGREDIENTS
Ingredient: Copper Hydroxide Nickel Hydroxide Calcium Hydroxide	CAS Number: 20427-59-2 12054-48-7 1305-62-0 68855-54-9	Content %: 0-30 0-15 0-15 0-10	ACGIH-TLV 1.0 mg/m3 (Dust) 1.0 mg/m3 (Dust) 5.0 mg/m3 (Dust) 6.0 mg/m3 (Dust)	Toxicology: (rat, oral) LD-50 1,000 mg/kg LD-50 1,500 mg/kg LD-50 7,340 mg/kg
Diatomaceous Earth	60000-04-8		o.o mg/m3 (Dost)	LD-50 3,160 mg/kg

Section 3

Description: Solid, Clay-like Clumps,

Gray/Green to Brown, Water Content 30-80%

Specific Gravity: 1 to 1.4 Solubility: Insoluble in water Density: 64 to 90 lbs/cu/ft

Incompatible Reactivity: None Known Vapor Pressure: Insignificant

Stability: Avoid contact with acids Polymerization: Will not occur

PHYSICAL AND REACTIVITY DATA

Boiling Point: Above 2600°C Melting Point: Above 1800°C

pH: 7.0 to 10.0 Odor: Nil

Section 4

FIRE AND EXPLOSION DATA

Flashpoint: Nonflammable Special Firefighting Procedures: None Product Decomposition. (Due to Fire or Explosion): None

Oxidation: Non-oxidizing Explosive: Non-explosive

NFPA Fire Diamond



TOXICITY

Section 5

Listed Carcinogen component: Nickel

Toxicology: See Sec. 2 (Nickel Hydroxide)

Route of Entry: Inhalation and Ingestion

Section 6

HEALTH EFFECTS AND FIRST AID

inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms,

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconcious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems—blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

Section 7

PRECAUTIONS FOR SAFE HANDLING

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The equipment should include eye protection, respirator and

Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from raise.

Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

Section B

CONTROL MEASURES

Respiratory Protection: NIOSH-MSHA approved respirators as required. Other Protective Equipment: Coveralls are recommended, but not required. Eye Protection: Safety Glasses recommended. **Hand Protection:** Gloves recommended.

Section 9

GENERATORS VERIFICATION

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number: 93003 Works 628 sixth ave. south

Company Name and Address: A

AZF-WRC 9/93

NOTICE

TO: World Resource Company

8112 West Sherman Street Phoenix, Arizona 85043

From: Alaskan Copper Works

628 South Hanford Street Seattle, Washington 98134

SUBJECT: Land Disposal Restriction Notice

Manifest Number:	95003	
-		
Date of Shipment:	5-1-95	

This shipment of material, which is being provided for recycling, is subject to the land disposal restrictions of 40 CFR, Part 268, Subpart D or the prohibitions specified in 268.32 or RCRA 3004(d). The applicable Land Disposal Restriction Information is provided in accordance with 40 CFR 268.7 and is shown below:

EPA Material	Regulated	Subcategory	Treatability	Treatmen	nt Standards
Number	Constituent		Group	CFR Reference	Prohibition Level
F006	N/A	N/A	Nonwastewater	40 CFR 268.41 40 CFR 268.43	
,		_			

By: Gerald A. Thompson

Alaskan Copper Environmental Assistant

MATERIAL IDENTIFICATION

DOT SHIPPING NAME:

Hazardous Waste Solid N.O.S. (F006)

DOT HAZARD CLASS: UN OR NA NUMBER: Class 9 NA 3077 1990 EMERGENCY RESPONSE GUIDE

DOT EMERGENCY RESPONSE GUIDE 31

POTENTIAL HAZARDS

FIRE OR EXPLOSION

Some of these material may burn, but none of them ignites readily.

HEALTH HAZARDS

Contact may cause burns to skin and eyes.

Fire may produce irritating or poisonous gases.

Runoff from fire control or dilution water may cause pollution.

EMERGENCY ACTION

Keep unnecessary people away.

Isolate hazard area and deny entry.

Self-contained breathing apparatus (SCBA) and structural firefighters,s protective clothing will provide limited protection.

CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE. (Use Chemtrec Company Code "WORR") If water pollution occurs, notify the appropriate authorities.

FIRE

Small Fires: Dry chemical, CO2, Halon, water spray or standard foam.

Large fires: Water spray, fog or standard foam is recommended.

Move container from fire area if you can do it without risk.

Do not scatter spilled material with high-pressure water streams.

Dike fire control water for later disposal.

SPILL OR LEAK

Stop leak if you can do it without risk.

Small Dry Spills: With clean shovel place material into clean, dry container and cover, move containers from spill area.

Small spill: Take up with sand or other noncombustible absorbent material and place into containers for disposal.

Large Spills: Dike far ahead of liquid spill for later disdosal.

Cover powder spill wiuth plastic sheet or tarp to minimizing spreaing.

FIRST AID

In case of contact with material, immediatly flush eyes with running water for at least 15 minutes.

Wash skin with soap and water.

Remove and isolate contaminated clothing and shoes at the site.

NOTE: If this response guide is	used as an attachment for shipping documents, enter shipping	9
manifest number in block below.		
	WAD980738546_95003	

(Shipping Manifest Number)

MATERIAL IDENTIFICATION

DOT SHIPPING NAME:

Hazardous Waste Solid N.O.S. (D007)

DOT HAZARD CLASS: UN OR NA NUMBER: Class 9 NA 3077 1990 EMERGENCY RESPONSE GUIDE

DOT EMERGENCY RESPONSE GUIDE 31

POTENTIAL HAZARDS

FIRE OR EXPLOSION

Some of these material may burn, but none of them ignites readily.

HEALTH HAZARDS

Contact may cause burns to skin and eyes.

Fire may produce irritating or poisonous gases.

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	sed as an attachment for shipping documents, ente	er shipping
manifest number in block below.	WAD98073854695003	
	(Shipping Manifest Number)	

NOTICE

TO: World Resource Company

8112 West Sherman Street Phoenix, Arizona 85043

From: Alaskan Copper Works

628 South Hanford Street Seattle, Washington 98134

SUBJECT: Land Disposal Restriction Notice

Manifest Number:	95003	
	V A Form A Se	
Date of Shipment:	5-1-95	

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EPA Material	Regulated	Subcategory	Treatability	Treatmer	nt Standards
Number	Constituent		Group	CFR Reference	Prohibition Level
D007	N/A	N/A	Nonwastewater	40 CFR 268.41 40 CFR 268.43	
		4		. 1997	e Star v se

By:

Gerald A. Thompson

Alaskan Copper Environmental Assistant

Material Safety Data Sheet

D007 Recyclable Material

Recycler's Facility Name and Site Address:

World Resources Company 8113 West Sherman Street

Phoenix, Arizona 85043 Tel: 1-602-233-9166 Fax: 602-936-9164 Issued: 3/18/94

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident (all calls are recorded)

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Section 1

PRODUCT - MATERIAL IDENTIFICATION

Environmental Protection Agency (EPA) Waste Classification: D007 Generic Name: Chromium metal bearing sludge

Chemical Family: Non-Ferrous metal particulates

Synonym: Metallic Residues From High Frequency Burning Table

DOT Shipping Name: RQ, Hazardous Waste, Solid, n.o.s. (D007)

DOT Hazard Class: 9; Packing Group: III **DOT Identification Number: NA 3077**

DOT Emergency Response Guide 31 Applies

Section 2

HAZARDOUS INGREDIENTS

Ingredient:	CAS Number:	Content %:	ACGIH-TLV	Toxicology:
Aluminum	7429-90-5	0-5	10 mg/m 3	No Data Available
Chromium	7440-47-3	0-15	0.5 mg/m 3	2.75 mg/kg (Rat, Oral)
Copper	7440-50-8	0-10	1.0 mg/m 3	0.35 mg/kg (Mouse, Oral)
Nickel	7440-02-0	0-10	1.0 mg/m 3	No Data Available
Zinc	7440-66-6	0-5	none established	No Data Available

Section 3

PHYSICAL AND REACTIVITY DATA

Description: Moist, Sandy consistency

Brown to Black colored

Water Content 10-20% by weight

Specific Gravity: 2.0 to 3.0

Solubility: Insoluble in water

Density: 100 to 150 lbs/cu/ft

Incompatible Reactivity: Extreme heat sources,

Oxidants

Vapor Pressure: Insignificant

Stability: Avoid contact with acids, extreme heat

Polymerization: Will not occur Boiling Point: Above 2000°C

Melting Point: Above 1000°C

pH: 7.0 to 10.0

Odor: Nil

Section 4

AND EXPLOSION DATA

Flashpoint: Nonflammable, under normal conditions Special Firefighting Procedures: Dry Chemical Product Decomposition.... (Due to Fire or Explosion): Hydrogen gas, ZnO (under extreme external heat) Fire Diamond

Oxidation: Non-oxidizing

Explosive: Non-explosive

NFPA



Section 5

Listed Carcinogen component: Chromium, Nickel Toxicology: See Sec. 2 (Chromium, Nickel) Route of Entry: Inhalation and Ingestion

HEALTH EFFECTS AND FIRST AID

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems—blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

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Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from rain.

Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

Section 8

CONTROL MEASURES

Respiratory Protection: NIOSH-MSHA approved respirators as required. Other Protective Equipment: Coveralls are recommended, but not required. Eye Protection: Safety Glasses recommended. Hand Protection: Gloves recommended.

Section 9

GENERATORS VERIFICATION

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number: 95003 Tele
Company Name and Address: Alaskan Copper Works 628 Hanford Telephone: ord st. 98134 Seaftle Wa

Signature:

AZF-WRC 3/94

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	UNIFORM HAZARDOUS WASTE MANIFEST		EPAID No. Mani Docu D 7 3 8 5 4 6 0 5	ment No	2. P				e shaded a y Federal la	
	Generator's Name and Mailing Address A L A S K A N COPP 3200 Sixth Aven Generator's Phone (206)		Scattle WA 98134			ate Manife ate Gener			lumber	
	Transporter Company Name			r g	-	ate Transp	Anna A separate and Separate or	A MANAGEMENT AND A MANAGEMENT OF THE PARTY O		
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L	MIWASTE INC		:AD980584		F. Tr	ansporter'	s Phone			
9.	Designated Facility Name and Site Address World Resource 8113 West Sherr Phoenix, Arizon	man Street	10. USEPAID Numbe			ate Facilit		916		
11	. US DOT Description (Including Proper S	hipping Name, Haza	rd Class and ID Number)	12. Conta	ainers Type	13. Total Quanti	ity k	14. Unit /t/Vol	J. Waste N	lo.
a.	RQ, Hezerdous w (D007), 9, NA307).&.,	0,3,0	D M	2,1,9,	1.9	P	D007	
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